

# Vessel Exclusion And Reef Buoy Project

City of Hollywood

Buoy Consultant | Permitting | Installation |  
Maintenance

# Exclusion Buoys

- Hollywood does not currently have buoys to delineate the 300-foot (100 yards) boating exclusion zone along the City's public beaches.
  - Other Broward municipalities maintain exclusion buoys.
- Given the extent of boat traffic in the area, buoys would assist in physically delineating the swimming beach area.



# Reef Marker Buoys

- Four (4) Near Shore Artificial Reef Sites with multiple reef modules that equate to 48 reef modules.
- Proposal to install (1) marker buoy at each site.



# Exclusion Buoys vs. Reef Buoys

- Exclusion Buoys delineate the 300-foot boating exclusion zone along the City's beaches.
- Reef Buoys will identify each of the four nearshore artificial reef sites. (Currently there are temporary buoys in place).
- Different buoys for the exclusion zones vs. reefs.
- Deployment and maintenance of both buoy types would be through a single provider.

# Conceptual Plan (Example)



# Regulatory Permitting

- Buoys require regulatory approvals from multiple state and federal agencies.
  - Florida Department of Environmental Protection (FDEP)
  - Florida Fish and Wildlife Conservation Commission (FWC)
  - United States Coast Guard (USCG)
  - U.S. Army Corps of Engineers (USACE)
- Time required to receive all the approvals (a year or more).

# Construction and Maintenance

- Once approvals are received, construction is straightforward (weather permitting).
  - Preference would be to deploy in summer when weather conditions are better.
- Buoys require constant maintenance.
- Incorporate construction and maintenance into a single solicitation.

# Conceptual Costs

- Regulatory Approvals: approximately \$30,000 (Can do under existing consultant contract).
- Project: approximately 57 buoys.
  - 53 exclusion, 4 marker buoys.
    - *If project approved-official evaluation would need to be conducted for final exclusion buoy determination.*
- Installation: approximately \$3,000/Buoy =Total: \$171,000.
- Reoccurring Maintenance:  
\$1,200/Buoy/Year=\$68,400/year.



# Sea Tow Maintenance Contract

## (Example From Ft. Lauderdale)

- Maintain 57 buoys over 6 miles (buoy every 600 ft).
- Current Cost: \$58,500/year (\$1,026/Buoy/Year).
- Covers: buoy replacement, removal, disposal, anchoring.
- Contractor replaces broken buoys.
- Buoys originally installed 18+ years ago.